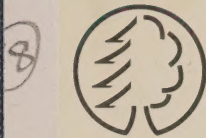


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Forestry Canada

in the

Pacific & Yukon

Region



Forestry Canada Forêts Canada

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Forestry Canada's Mission

"To promote the sustainable development and competitiveness of the Canadian forest sector for the well-being of present and future generations of Canadians."

Canada: A Forest Nation

Canada is a forest nation. From the balsam fir of the east coast to the Douglas-fir of British Columbia, forests and forest-related activities are an integral part of our history, our heritage and our identity.

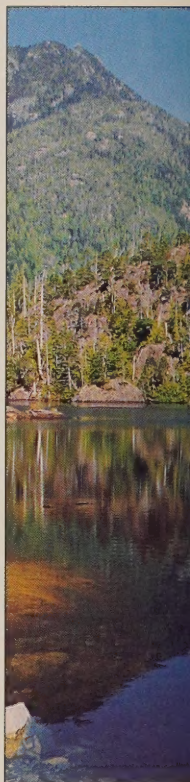
About 45% of Canada's land mass is covered with trees and about 20% of the world's fresh water flows from Canadian forested watersheds.

One in 15 Canadians depends on forestry for his/her livelihood and 350 communities across the country are single-industry forest towns. Forest products represent about 16% of Canada's total exports and 21% of the total world trade in forest products.

Federal Role in Forestry

In the Canadian confederation, jurisdiction over the forests rests with the provinces. The federal role in the forest sector arises from its national responsibilities for the economic, social and environmental well-being of Canadians.

Forestry Canada's mandate includes: federal forestry research; assistance for timber inventories; protection from fire, diseases and pests; reforestation and intensive





forest management (in concert with the provinces); and, international issues such as trade, marketing and transboundary threats from airborne and waterborne pollutants.



Sustainable Development

"Sustainable development involves fostering, without unacceptable impairment, the productivity, renewal capacity and species diversity of forest ecosystems."



Forestry Canada - A New Department

In recognition of forestry's importance to the Canadian economy and environment, and the need to more coherently coordinate the federal government's impact on and contribution to the forest sector, a separate Department of Forestry was established in 1989.

In a landmark step, which acknowledges the close relationship between the economic and environmental aspects of forestry, the principle of sustainable development has been incorporated into the legislation.



Research and Development Programs in the Pacific and Yukon Region

Forestry Canada's research and development programs in the Pacific and Yukon Region are delivered by a team of 175 men and women - researchers, foresters, technicians and support staff - headquartered at the Pacific Forestry Centre in Victoria and in the district office in Prince George.

Our Research Program

Our research program focuses on delivering effective, client-responsive research to strengthen the scientific basis for sustainable development of our forests.



Studying Environmental Impacts

"Forestry Canada scientists are researching the impacts of forestry practices on watershed hydrology, water quality and soil erosion as well as site productivity."

Studying Environmental Impacts of Forestry Practices

Forest managers need decision-making tools and procedures for choosing the appropriate harvesting system or forestry practice that will integrate timber, water-related and wildlife management objectives. These choices must also be made within an acceptable environmental and economic framework. Forestry Canada scientists are studying the impacts of forestry practices on watershed hydrology, water quality and soil erosion as well as site productivity. They are also addressing changes in ecological processes and biodiversity during stand development, and those resulting from forest management practices.



Regeneration – a major challenge.



Measuring for impact of atmospheric pollutants.

Atmospheric Change and the Forests

What are the implications of atmospheric change for the forest sector and how can we adapt our forest management practices to lessen the impact of this change? And how do forests modify or interact with global conditions?

Through research our scientists hope to find answers to these topical questions.

Forest Regeneration

Regenerating our forests is one of the biggest challenges facing forest managers today. Forestry Canada researchers are studying techniques to improve tree seedling quality and ways to minimize the impact of disease and insects in seedling production. The results of our research will produce substantial cost savings in regenerating British Columbia's forests.

Protecting the Resource

"Our research focuses on environmentally acceptable tools for protecting forests ."



Forestry Canada rangers taking pest damage sample.

Protecting the Resource

Over the past five years the number of trees killed or damaged due to pests (fire, insects or disease) is equal to half the trees harvested during the same time period. Pests also play havoc with the regeneration program and interfere with the export of Canadian forest products. Our research focuses on environmentally acceptable tools for protecting forests including the use of biologically based (non-chemical) controls.

Maximizing our Investments

British Columbia needs better information on the growth and yield of managed forests to assist in predicting current and future wood supplies. This is accomplished by developing models which can be applied to a variety of sites and situations. We are currently developing models for updating inventories and for quantifying the effects of certain pests on a tree species.



Diagnosing nursery pest damage for clients.

Marketing our Research

In order to ensure our research program is responsive to the needs of the forest managers of British Columbia and the Yukon, and that the results are delivered in a timely manner, Forestry Canada staff work closely with forest companies and the provincial forest service. Research is expensive and every effort is made to maximize resources by coordinating research among the various agencies, universities and private organizations. Cooperative research programs benefit all users.

Research results are transferred to the end user in a variety of media - reports, workshops, seminars, field trips, handbooks, videos and conferences. Forestry Canada staff also make direct contact with clients and the public. Service units such as the seed export certification group, the nursery pest diagnostic clinic staff and the Forest Insect and Disease Survey (FIDS) rangers, also provide much needed support to the sector.

Industry and Trade

"The British Columbia forest sector must be able to respond, adapt and capitalize on regional and global changes and opportunities when it comes to marketing forest products."

Our Development Program

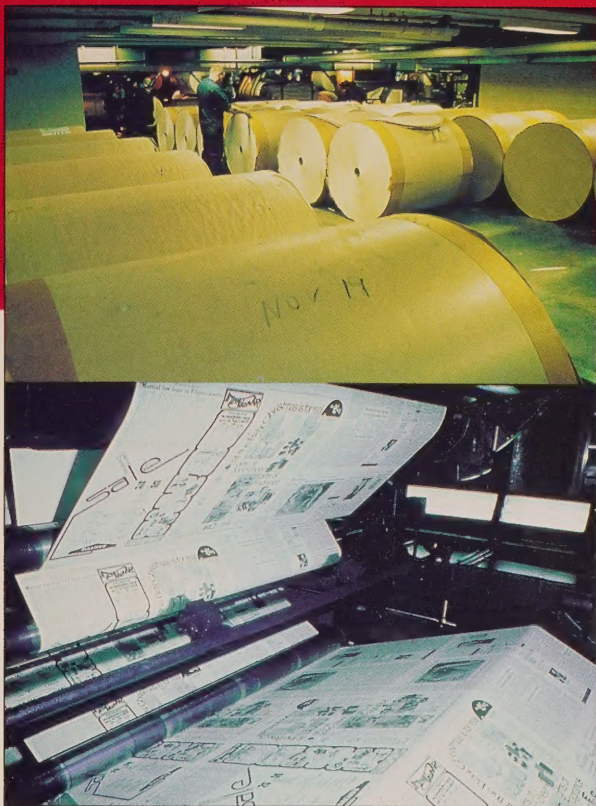
Industry, Trade and Development

The British Columbia forest sector must be able to respond, adapt and capitalize on regional and global changes and opportunities when it comes to marketing forest products. B.C.'s forest industry is largely dependant upon export sales. Competition from new products and the entry of new competitors will require constant improvements in the industry's competitive edge. Forestry Canada economists compile, analyse and disseminate regional and global forestry business and economics statistics, which allow the industry to develop and market products which will find a niche in the international marketplace.

Clients are provided with up-to-date information on new technologies and products. As well, we assist firms and entrepreneurs in the acceptance of processes and products using currently unused,



Total value of all shipments of B.C. forest products in 1989 was \$12.6 billion.



Pulp, newsprint and paper generated \$5.1 billion in export sales in 1989.

underutilized or undervalued tree species. Assistance is also provided to companies to develop secondary or tertiary industries by providing funds to develop modern process technologies or innovative products.

Forest sector programs, such as the 1985-90 \$300 million Canada- British Columbia Forest Resource Development Agreement (FRDA), and subsequent development programs, are developed to ensure the continued health of forest dependent communities, the viability of the forest industry and Canada's competitive position in the international markets.

For more information on our programs, research or forestry issues, contact us at:

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Victoria, B.C.
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(604) 388-0600

or

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Canada

